

Abstract of the Invention

The present invention relates to a system and method for wireless telecommunication in a packet-based network comprising a Software Radio Port (SRP) which functions as a radio base station and a VoIP gateway to interconnect the wireless network with the VoIP packet network. Together with a Network Server Platform (NSP) and VoIP call-server, the SRP combines mobile call processing signaling with the VoIP call signaling to establish calls between the mobile and VoIP device or between mobiles. The SRP establishes the voice path to the mobile station over the air and the RTP media path to a party over a packet network for a call. These two paths are interconnected at the SRP so that an end-to-end voice path is established.